

Executive Summary Report

SMOG CHECK Statewide

Year 2006

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	9,359,632	1,202,344	12.85%
Total	11,082,856	1,611,939	14.54%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	7,947,561	84.91%	1,412,071	15.09%
Total	9,174,204	82.78%	1,908,652	17.22%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	4,499,623	84.92%	798,787	15.08%
Total	5,248,479	83.57%	1,031,836	16.43%

3. Initial Test Failures by Failure Type

7,1				
	Failed	Percent (%) Failed		
Gross Polluters	225,955	2.41%		
All Emissions	726,297	7.76%		
All Visual	134,232	1.43%		
All Functional	387,378	4.14%		
OBDII	309,971	3.31%		
Overall	1,202,344	12.85%		

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	7,415,680	974,049	13.13%	179,431	2.42%
Partially Enhanced	434,675	63,389	14.58%	11,959	2.75%
Basic	828,631	94,647	11.42%	21,603	2.61%
Change of Ownership	70,297	9,935	14.13%	2,878	4.09%
No Program	58	3	5.17%	1	1.72%
Unknown Program	610,291	60,321	9.88%	10,083	1.65%
Total Program Area	9,359,632	1,202,344	12.85%	225,955	2.41%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	5,298,410	776,449	14.65%	157,857	2.98%
Regular	3,442,426	347,360	10.09%	54,048	1.57%
Basic Area Dealer	65,382	3,491	5.34%	502	0.77%
Gold Shield in Enhanced Area	372,918	47,569	12.76%	7,451	2.00%
Gold Shield in Basic Area	78,975	11,929	15.10%	2,838	3.59%
Gold Shield in COO Area	52,029	6,691	12.86%	1,876	3.61%
Business Fleet	280	22	7.86%	3	1.07%
Permanent Fleet Registered	2,114	176	8.33%	20	0.95%
Referee	10,229	5,151	50.36%	948	9.27%
Government Fleet	34,361	3,087	8.98%	320	0.93%
Unknown Privilege	8	3	37.50%	0	0.00%
Total	9,359,632	1,202,344	12.85%	225,955	2.41%
Gold Shield Dealer	1,124	197	17.53%	42	3.74%
Gross Polluter Certification	1,376	219	15.92%	50	3.63%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued	
Volunteers	2,470,020	2,173,425	
Directed Vehicles	2,828,390	2,326,198	
Total	5,298,410	4,499,623	

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	502,607	428,463
Directed Vehicles	3,815	1,066
Total	506,422	429,529

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Model Year	Initial Tests	Failed Overall	Percent (%)	Percent (%) Failed	Percent (%) Failed Gross	Percent (%) Failed	Percent (%)	Percent (%) Failed
			Failed Overall	Emissions	Polluters	Functional	Failed Visual	OBDII
MY-0	3	1	33.33%	33.33%	0.00%	33.33%	0.00%	0.00%
MY-1934	1	1	100.00%	100.00%	0.00%	0.00%	100.00%	0.00%
MY-1952	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1954	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1955	4	4	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
MY-1960	5	4	80.00%	80.00%	40.00%	0.00%	40.00%	0.00%
MY-1965	14	14	100.00%	100.00%	42.86%	0.00%	57.14%	0.00%
MY-1966	8	4	50.00%	50.00%	25.00%	0.00%	0.00%	0.00%
MY-1967	5	3	60.00%	40.00%	20.00%	0.00%	20.00%	0.00%
MY-1968	4	3	75.00%	50.00%	25.00%	50.00%	50.00%	0.00%
MY-1969	8	3	37.50%	37.50%	12.50%	0.00%	12.50%	0.00%
MY-1970	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1971	7	4	57.14%	57.14%	42.86%	42.86%	28.57%	0.00%
MY-1972	13	7	53.85%	46.15%	15.38%	46.15%	46.15%	0.00%
MY-1973	16	7	43.75%	25.00%	12.50%	12.50%	18.75%	0.00%
MY-1974	150	31	20.67%	13.33%	6.67%	14.00%	8.00%	0.00%
MY-1975	339	93	27.43%	22.71%	10.91%	13.57%	7.96%	0.00%
MY-1976	20,300	5,532	27.25%	20.90%	9.81%	14.14%	7.98%	0.00%
MY-1977	29,512	7,601	25.76%	18.93%	8.62%	14.10%	7.68%	0.00%
MY-1978	34,196	9,129	26.70%	19.81%	9.33%	14.08%	8.10%	0.00%
MY-1979	37,636	10,638	28.27%	22.32%	10.78%	14.66%	8.39%	0.00%
MY-1980	24,067	6,829	28.37%	22.49%	11.60%	15.50%	8.41%	0.00%
MY-1981	28,676	8,562	29.86%	24.65%	11.65%	15.50%	8.30%	0.00%
MY-1982	34,587	10,232	29.58%	24.48%	11.43%	15.40%	7.66%	0.00%
MY-1983	47,577	14,211	29.87%	24.53%	11.13%	15.14%	7.31%	0.00%
MY-1984	87,414	26,448	30.26%	25.15%	12.26%	15.57%	6.99%	0.00%
MY-1985	119,135	34,275	28.77%	23.66%	11.18%	14.79%	6.08%	0.00%
MY-1986	168,216	43,729	26.00%	20.65%	9.28%	13.53%	4.94%	0.00%
MY-1987	201,633	54,969	27.26%	22.49%	9.01%	13.09%	4.40%	0.00%
MY-1988	239,774	57,961	24.17%	19.52%	7.43%	11.83%	3.56%	0.00%
MY-1989	313,431	66,102	21.09%	16.43%	5.85%	10.39%	2.91%	0.00%
MY-1990	352,849	68,056	19.29%	15.21%	5.08%	8.92%	2.17%	0.00%
MY-1991	398,560	69,453	17.43%	13.65%	4.33%	7.83%	1.76%	0.00%
MY-1992	387,295	61,662	15.92%	12.38%	3.78%	6.84%	1.59%	0.00%
MY-1993	457,431	78,742	17.21%	14.03%	3.11%	6.45%	1.52%	0.00%
MY-1994	561,898	74,021	13.17%	10.17%	2.05%	5.01%	1.35%	0.00%
MY-1995	524,183	64,925	12.39%	9.23%	1.91%	4.82%	1.27%	0.00%
MY-1996	714,804	102,148	14.29%	5.52%	0.78%	1.21%	0.81%	9.41%
MY-1997	567,606	74,925	13.20%	4.59%	0.78%	1.24%	0.74%	9.06%
MY-1998	953,246	80,398	8.43%	2.41%	0.40%	0.65%	0.47%	5.98%
MY-1999	615,528	47,331	7.69%	1.64%	0.31%	0.56%	0.43%	5.84%
MY-2000	1,503,506	83,670	5.56%	0.80%	0.17%	0.49%	0.30%	4.41%
MY-2001	313,064	16,637	5.31%	0.55%	0.12%	0.45%	0.22%	4.26%
MY-2002	271,603	11,177	4.12%	0.35%	0.08%	0.30%	0.17%	3.24%
MY-2003	122,811	4,280	3.49%	0.27%	0.07%	0.24%	0.19%	2.63%
MY-2004	83,326	2,989	3.59%	0.28%	0.07%	0.25%	0.23%	2.73%
MY-2005	87,255	3,350	3.84%	0.21%	0.08%	0.23%	0.27%	3.09%
MY-2006	54,144	2,005	3.70%	0.36%	0.13%	0.19%	0.35%	3.01%
MY-2007	3,780	176	4.66%	0.11%	0.00%	0.16%	0.03%	4.34%
MY-2008	7	1	14.29%	14.29%	0.00%	0.00%	0.00%	0.00%
All Model Years	9,359,632	1,202,344	12.85%	7.76%	2.41%	4.14%	1.43%	3.31%

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7. Referee Activity

	Certificates Issued
Certificate of Compliance	9,065
Certificate of Non Compliance	19
Parts Cost	1,096
Hardship Extensions	1,209
Exempt Vehicle	518
Exempted by Directive	1,686
Parts Exemption	29
Unknown Outcome	0
Permanently Exempt Vehicle	2
Temporarily Exempt Vehicle	0
	13,624

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,305
Stations Locked-Out at Least Once	1,336
Stations Conducted at Least One Test	9,197

9. Active Technicians

		Technician Count	Daily Average
EA	Both Endorsement	12,861	6,120
EA	Gas Endorsement	31	0
EB	Both Endorsement	79	0
EB	Gas Endorsement	674	0
EU	Gas Endorsement	2	0
GU	Both Endorsement	20	0

10. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	4,751,162	48.52	435,871	48.56	5,187,033	48.52
Test and Repair	2,418,744	46.71	955,094	43.97	3,373,838	45.94
Test and Repair Dealer	228	43.44	65,124	46.72	65,352	46.71
Referee	6,782	30.00	1,653	30.00	8,435	30.00
Gold Shield in Enhanced Area	288,698	46.48	82,727	43.71	371,425	45.87
Gold Shield in Basic Area	315	53.25	78,395	36.96	78,710	37.02
Gold Shield in COO Area	5,645	56.99	47,771	48.92	53,416	49.77

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	92,332	22.79	309,691	200.08
	\$51-150	83,464	99.99		
	\$151-250	51,703	199.24		
	\$251-450	51,296	335.29		
	Over \$450	30,896	777.25		
CAP Repairs \$0-50 2,447 26.17	26.17	38,498	313.25		
	\$51-150	5,157	105.92	·	
	\$151-250	7,262	202.84		
	\$251-450	14,252	345.17		
	Over \$450	9,380	539.14		
Total Repairs	\$0-50	85,085	23.06	321,557	230.20
	\$51-150	74,120	100.26		
	\$151-250	55,392	199.64		
	\$251-450	63,879	338.84		
	Over \$450	43,081	741.09		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	38,498	313.25

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	79	13	2	0	5	7	4	0
Acceleration Simulation Mode (ASM)	Basic	Referee	33	14	2	4	3	5	3	6

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	551	87	10	5	22	47	32	9
Acceleration Simulation Mode (ASM)	Basic	Test Only	449	83	15	6	20	55	21	13
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	9	2	0	1	1	2	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	1	3	0	2	0	2	1	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	85	17	5	1	4	13	5	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	60	8	2	0	2	5	5	1
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	148	20	1	0	2	12	6	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	240	38	4	3	13	19	12	5
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	3,424	455	65	44	115	247	154	68
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	200,046	27,947	3,215	1,593	11,383	13,280	6,862	3,024
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	543	50	3	216	267	46	6
Acceleration Simulation Mode (ASM)	Enhanced	Gross Polluter Certification	37	4	0	0	3	1	0	2
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	762	112	6	1	46	60	7	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	3,304	3,262	550	1,356	638	1,685	1,066	1,760
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	1,716,471	199,032	25,205	10,573	73,749	99,743	54,471	19,252
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	60	8	2	0	1	7	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	3,842,254	694,860	140,851	39,785	140,228	473,372	237,022	77,165
Acceleration Simulation Mode (ASM)	No Program	Test Only	13	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	22	3	0	0	0	1	2	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	195	38	6	2	8	24	11	7

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	28,325	6,426	1,226	363	1,513	4,161	1,974	781
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	15	2	0	5	7	3	0
Acceleration Simulation Mode (ASM)	Partial	Referee	112	221	40	111	36	111	75	146
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	192,821	34,782	6,284	2,149	7,746	22,151	11,284	3,955
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	134	16	1	0	5	10	2	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	102,183	18,737	3,571	1,193	4,196	12,071	5,844	2,365
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	10	3	0	1	1	2	1	1
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	369	44	5	3	21	19	9	4
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	17,569	3,212	549	205	1,073	1,778	889	422
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	2,136	184	9	613	1,415	167	10
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	640	376	81	133	98	186	153	208
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	198,234	21,183	2,985	1,188	8,434	10,617	4,983	2,116
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	146,954	21,026	4,143	1,301	7,025	12,482	5,706	2,470
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	3	2	0	1	1	1	0	1
Two Speed Idle (TSI)	Basic	Gold Shield Dealer	764	172	35	24	41	69	93	35
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	53,747	10,382	2,548	762	2,107	4,850	4,520	1,499
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	2,012	262	80	13	70	139	86	30
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	32,116	5,194	1,216	379	1,359	2,364	2,085	790
Two Speed Idle (TSI)	Basic	Government Fleet	0	60	14	2	20	26	12	2
Two Speed Idle (TSI)	Basic	Gross Polluter Certification	267	55	8	4	16	15	29	8
Two Speed Idle (TSI)	Basic	Permanent Fleet Registered	6	2	1	0	0	1	0	1
Two Speed Idle (TSI)	Basic	Referee	413	375	76	155	58	164	177	209

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Basic	Test and Repair	493,979	63,682	14,235	3,882	15,781	28,765	25,992	7,855
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	44,723	2,656	454	127	888	983	835	288
Two Speed Idle (TSI)	Basic	Test Only	76,646	11,597	2,907	660	2,837	5,795	3,758	1,458
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	1,180	286	87	27	38	156	128	61
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	20,587	4,149	1,298	301	708	2,401	1,618	571
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	1,521	349	86	29	71	172	133	67
Two Speed Idle (TSI)	Change of Ownership	Gross Polluter Certification	568	105	28	3	21	48	41	6
Two Speed Idle (TSI)	Change of Ownership	Permanent Fleet Registered	7	3	1	0	0	2	2	1
Two Speed Idle (TSI)	Change of Ownership	Referee	30	62	17	31	9	31	34	45
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	24,943	3,413	889	255	843	1,720	1,338	470
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	534	26	3	0	12	6	6	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	8,608	1,512	462	105	305	836	568	211
Two Speed Idle (TSI)	Enhanced	Business-Fleet	18	2	2	0	0	2	0	0
Two Speed Idle (TSI)	Enhanced	Gold Shield Dealer	79	8	0	0	3	1	5	1
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	4,800	469	55	31	247	110	119	45
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	4,825	473	69	25	213	143	122	41
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	29,880	3,379	907	209	1,190	1,574	926	453
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	117	27	0	35	58	19	2
Two Speed Idle (TSI)	Enhanced	Gross Polluter Certification	113	26	5	0	7	10	4	1
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	580	55	11	8	1	22	30	16
Two Speed Idle (TSI)	Enhanced	Referee	546	361	80	140	82	140	83	230
Two Speed Idle (TSI)	Enhanced	Test and Repair	230,420	16,776	2,964	873	7,788	5,684	3,926	1,661
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	6,125	339	16	5	239	42	47	7
Two Speed Idle (TSI)	Enhanced	Test Only	281,588	25,686	5,346	1,150	11,148	10,225	5,783	2,230
Two Speed Idle (TSI)	No Program	Test and Repair	13	1	1	0	0	1	0	0
Two Speed Idle (TSI)	Partial	Gold Shield Dealer	17	2	1	0	1	1	1	0
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	466	52	9	2	23	17	15	5
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	398	32	4	1	17	8	10	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	2,496	349	107	29	96	179	106	57
Two Speed Idle (TSI)	Partial	Referee	26	22	11	7	1	13	2	17
Two Speed Idle (TSI)	Partial	Test and Repair	18,171	1,895	511	126	552	935	607	256
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	668	34	2	0	22	7	5	0
Two Speed Idle (TSI)	Partial	Test Only	8,059	758	184	54	222	350	195	113
Two Speed Idle (TSI)	Unknown Program	Gold Shield Dealer	52	15	6	0	7	8	3	2
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	4,831	696	135	59	261	260	253	91
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	12,040	1,237	349	90	341	625	449	188
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	6,281	698	143	51	299	276	199	109
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	215	43	3	62	105	33	6
Two Speed Idle (TSI)	Unknown Program	Gross Polluter Certification	137	27	9	0	9	13	2	0
Two Speed Idle (TSI)	Unknown Program	Permanent Fleet Registered	35	2	1	0	0	1	1	0
Two Speed Idle (TSI)	Unknown Program	Referee	418	247	91	35	25	178	36	179
Two Speed Idle (TSI)	Unknown Program	Test and Repair	75,672	6,491	959	361	3,192	1,930	1,675	683
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	7,490	412	24	8	289	55	58	14
Two Speed Idle (TSI)	Unknown Program	Test Only	32,795	2,180	376	123	1,182	705	385	218
Two Speed Idle (TSI)	Unknown Program	Unknown Privilege	0	1	0	0	0	1	0	0
UnKnown TestType	Basic	Referee	12	12	0	0	0	12	0	12
UnKnown TestType	Enhanced	Referee	76	76	0	0	0	76	0	73
UnKnown TestType	Enhanced	Test Only	0	1	0	0	1	1	1	0
UnKnown TestType	Partial	Referee	4	4	0	0	0	4	0	4
UnKnown TestType	Unknown Program	Referee	116	116	0	0	0	116	0	106

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